

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : CURRENT-IN-PLANE MAGNETIC
: SENSOR INCLUDING A TRILAYER
MICHAEL ALLEN SEIGLER : STRUCTURE
: :
: Attorney Docket No. SEAG 63416

INFORMATION DISCLOSURE STATEMENT

January 26, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicant submits herewith copies of the references (other than U.S. Patents and Published Applications) cited on the attached Form PTO/SB/08A for consideration during prosecution of this application.

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the Examiner of the art cited or an independent search by the Examiner, and no representation of any nature is made or intended by the filing of this Statement.

Respectfully submitted,

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Michael A. Seigler
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	SEAG 63416

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,524,401		Uchida et al.	06-18-1985	
		5,159,513		Dieny et al.	10-27-1992	
		5,206,590		Dieny et al.	04-27-1993	
		5,428,491		Smith	06-27-1995	
		5,576,914		Rottmayer et al.	11-19-1996	
		5,784,224		Rottmayer et al.	07-21-1998	
		5,798,896		Araki et al.	08-25-1998	
		5,818,685		Thayamballi et al.	10-06-1998	
		5,880,912		Rottmayer	03-09-1999	
		5,883,763		Yuan et al.	03-16-1999	
		6,157,525		Iwasaki et al.	12-05-2000	
		6,356,420		Everitt	03-12-2002	
		Publication No. 2002/0131214		Covington et al.	09-19-2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0789250	A2	Read-Rite Corporation	08-13-1997		

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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		Number	Kind Code ² (if known)			
		Publication No. 2003/0026049		Gill	02-06-2003	

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